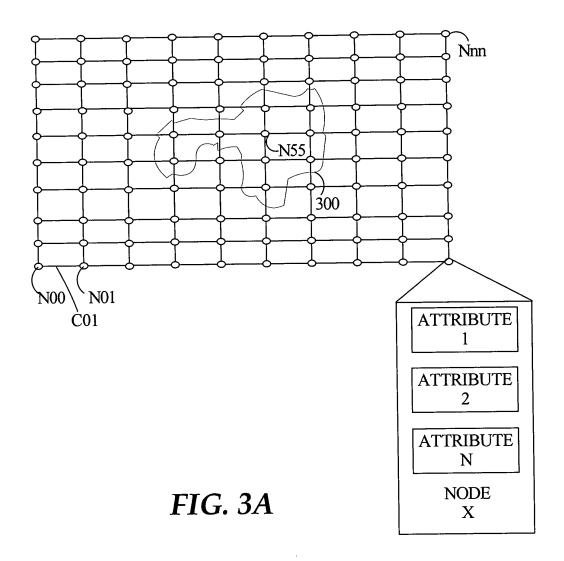


MODELING MODULE 202 CONSISTENCY MAINTENANCE **ENGINE** 204 **CONFIGURATOR APPLICATION 104 PASSIVE** ACTIVE **CONSTRAINTS INSTANCES INSTANCE** 216 212 214 PARTIAL MODEL 107 MEMORY 105

FIG. 2



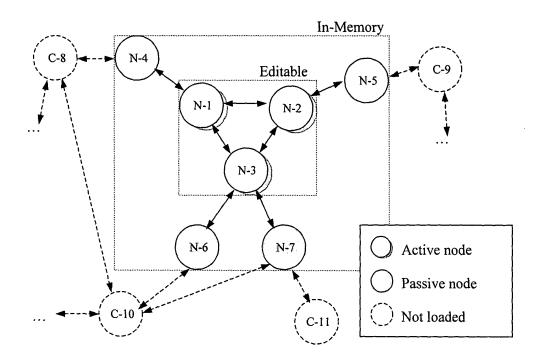
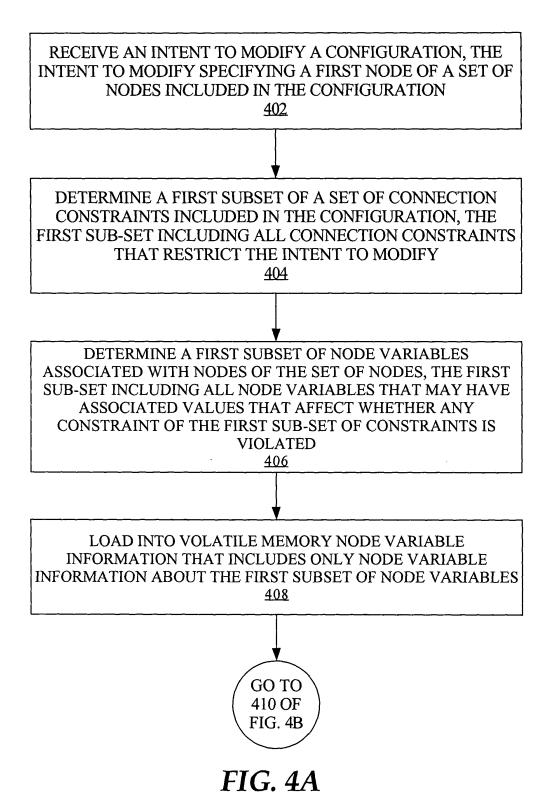
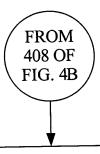


FIG. 3B





DETERMINE A SECOND SUBSET OF THE SET OF CONSTRAINTS INCLUDED IN THE CONFIGURATION, THE SECOND SUB-SET INCLUDING ALL CONSTRAINTS THAT RESTRICT THE VALUE OF A SECOND NODE OF THE SET OF NODES WHICH IS AFFECTED BY A MODIFICATION TO THE FIRST NODE

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DETERMINE A SECOND SUB-SET OF NODE VARIABLES, THE SECOND SUBSET INCLUDING ALL NODE VARIABLES THAT MAY HAVE ASSOCIATED VALUES THAT AFFECT WHETHER ANY CONSTRAINT OF THE SECOND SUB-SET OF CONSTRAINTS IS VIOLATED

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LOAD INTO VOLATILE MEMORY, IF NOT ALREADY LOADED, NODE INFORMATION THAT INCLUDES ONLY NODE INFORMATION ABOUT THE NODES IN THE SECOND SUBSET 414

FIG. 4B

